

ABSTRACT

To provide two-shaft hinge mechanism components enabling harness wiring, which are configured to realize durability, reduction in size and weight and a mechanism to restrict rotation, in cellular phones, notebook computers and remote controllers required to have more reduced size and weight and new functions.

[Solution] Rotation shaft 11 and opening/closing shaft 12 are inserted into coil spring 5, 17, concave and convex cams, a caulking component and the like, to assemble a rotation shaft torque unit and an opening/closing torque unit, and the unit is attached to hinge housing 9 to constitute the two-shaft hinge. The opening/closing torque unit is disposed either lift or right side of the hinge housing, and a pipe-like shaft with a hollow is employed as rotation shaft 11, whereby harness (thin cable) wiring is provided easily. The torque unit is configured independently from the rotation shaft and the opening/closing shaft, so that generation of a stable torque and click, improvement of durability, easy assembly of the components, reduction of size and weight by reducing the number of components, ensuring of a space by disposing the components in a concentrated manner are achieved.